

1 ABSTRACT OF THE DISCLOSURE

2 The present invention relates to bioassay materials useful
3 for the detection of toxic substances and, more particularly,
4 to packaging materials for food and other products, along with
5 methods for their manufacture and use. The invention provides
6 a unique composite material capable of detecting and
7 identifying multiple biological materials within a single
8 package. The biological material identification system is
9 designed for incorporation into existing types of flexible
10 packaging material such as polyvinylchloride or polyolefin
11 films, and its introduction into the existing packaging
12 infrastructure will require little or no change to present
13 systems or procedures.

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